



6U7-G



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**TRIPLE-GRID SUPER-CONTROL AMPLIFIER**

Heater	Coated Unipotential Cathode*	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances: <sup>o</sup>		
Grid to Plate	0.007 max.	0.007 max. $\mu$ f
Input	5	5 $\mu$ f
Output	9	9 $\mu$ f
Overall Length		4-5/8" to 4-7/8" ←
Seated Height		4-1/16" to 4-5/16" ←
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Skirted Miniature
Base		Small Shell Octal 7-Pin
Pin 1 - No Connection		Pin 5 - Suppressor
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Screen		Cap - Grid
Mounting Position	Any	



BOTTOM VIEW (G-7R)

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	100 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	2.25 max.	watts
Screen Dissipation	0.25 max.	watt
<b>Typical Operation and Characteristics - Class A<sub>1</sub> Amplifier:</b>		
Plate	100	250 volts
Screen	100	100 volts
Grid	-3	-3 volts
Suppressor	Connected to cathode at socket	
Plate Res.	0.25	0.8 approx. ohms
Transcond.	1500	1600 $\mu$ mhos
Grid Bias for		
Transcond. of 2 $\mu$ mhos	-50	-50 volts
Plate Cur.	8	8.2 ma.
Screen Cur.	2.2	2 ma.

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- # The internal shield in the dome of the 6U7-G is connected to the cathode within the tube.
- o With close-fitting shield connected to cathode.

The Curve under type 6D6 also applies to the 6U7-G.

← Indicates a change.

Sept. 2, 1941

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

DATA

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# AVERAGE PLATE CHARACTERISTICS



AUG. 20, 1941

RCA RADOTRON DIVISION  
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92C-6011R1